

Eagle Gold Mine - Annual effluent monitoring report - Version 1 - 2019

Report details

Facility name	Eagle Gold Mine
Reporting period	2019
Version	1
Status	New
Last modified	2020/03/29 17:27 (PDT)
Submission date	

Parent company

Parent company	Physical address
StrataGold Corporation	1000, 1050 West Pender, Street, Vancouver, British Columbia, V6E 3S7, Canada

History

Status	Version	Last modified	Submission date
New	1	2020/03/29 17:27 (PDT)	

Identifying information

Reporting period 2019

Facility name Eagle Gold Mine

Facility physical address

Operator name (required) StrataGold Corporation

Operator telephone number

Operator extension

Operator e-mail address

Note	Date	User name
No data available		

Test results

Final discharge point	LDSP
Final discharge point latitude	64.15639
Final discharge point longitude	-135.50460

Monthly mean concentrations, pH and volume of effluent

Month	As (mg/L)	Cu (mg/L)	CN (mg/L)	Pb (mg/L)	Ni (mg/L)	Zn (mg/L)	TSS (mg/L)	Ra 226 (Bq/L)	Lowest pH	Highest pH	Effluent volume (m ³)
Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	0.0775	0.0064	-	0.0064	0.0046	0.0103	34.5667	0.0034	7.6	7.88	15415
May	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP
Jun	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP
Jul	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP
Aug	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP
Sep	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP
Oct	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP
Nov	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP
Dec	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP	NDEP

Results of acute lethality tests

Date sample collected	Results for rainbow trout acute lethality tests (mean percentage mortality in 100% effluent test concentration)	Results for <i>Daphnia magna</i> monitoring / acute lethality tests (mean percentage mortality in 100% effluent test concentration)	Results for threespine stickleback acute lethality tests (mean percentage mortality in 100% effluent test concentration)
2019/04/29 08:00	0%	0%	

If effluent was non-compliant with the authorized limits set out in Schedule 4, or if the pH was less than 6.0 or greater than 9.5, or if effluent was determined to be acutely lethal, indicate the cause(s) of non-compliance and remedial measures that are planned or have been implemented.

Non-compliance information

Effluent was compliant with the authorized limits set out in Schedule 4, with the exception

of Total Suspended Solids (TSS), which during the single month of discharge in April 2019 exceeded the monthly TSS limit. The discharge events in April were brief and the Project was still in the construction phase. The discharge facility being freshly constructed had residual fines within the effluent discharge course which may have contributed to the elevated values of TSS from Final Discharge Point (FDP) samples. There was no Cyanide on site or in use during the time of discharge in April. Sedimentation mitigation measures will continue to be implemented at the Eagle Gold Site in 2020 to mitigate concentration of TSS within the Lower Dublin South Pond (LDSP). Radium-226 will be taken on all deleterious substance monitoring samples in 2020 should discharge be required.

